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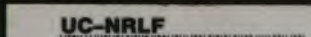

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GENERAL WORKS

Ames, J. S., *ed.* The discovery of induced electric currents. 2 v. 1900. 537 Am37

Contents.—v. 1. Memoirs, by Joseph Henry.—v. 2. Memoirs, by Michael Faraday.

Atkinson, Philip. Electricity for everybody; its nature and uses explained. 1895. 537 At56

Benjamin, Park. A history of electricity (The intellectual rise in electricity) from antiquity to the days of Benjamin Franklin. 1898. 537 B43

Campbell, N. R. Modern electrical theory. 1907. 537 C15

Child, C. T. The how and why of electricity . . . for non-technical readers. 1905. 537 C43

209407

Cloke, H. E. The enlisted specialists' examiner. 1908. 621 C62

"Electricity and magnetism," pp. 7-80.

Electricity in daily life; a popular account of the applications of electricity to everv day uses. By C. F. Brackett [and others.] 1893. 621.3 EL25

Gibson, C. R. Electricity of to-day, its work and mysteries described in non-technical language. 1907. 621.3 G35

—The romance of modern electricity, describing in non-technical language what is known about electricity and many of its interesting applications. 1906. 621.3 G35r

Hawkins, Nehemiah. New catechism of electricity. c. 1896. 621.3 H31

Hibbert, Walter. Popular electricity. 1909. 621.3 H52

Houston, E. J. A dictionary of electrical words, terms and phrases. 1898. *537 H81

—Electricity and magnetism. c. 1899. 537 H81e

—Electricity made easy . . . by E. J. Houston and A. E. Kennelly. 1903. 621.3 H81e

Iles, George. Flame, electricity and the camera; man's progress from the first kindling of fire to the wireless telegraph. 1900. 609 IL3

Maycock, W. P. Electric lighting and power distribution; an elementary manual. 1892. 537 M45

Mendenhall, T. C. A century of electricity. c. 1890. 537 M52

Munro, John. The story of electricity. 1908. 537 M92

Noad, H. M. The student's text-book of electricity. With an introduction and additional chapters by W. H. Preece. 1895. 537 N66

Onken, W. H. Harper's how to understand electrical work . . . by Wm. H. Onken, jr. and Joseph B. Baker. 1908. j621.3 On4

Richardson, S. S. Magnetism and electricity and the principles of electrical measurement. [1908.] 537 R39

Shepardson, G. D. Electrical catechism; an introductory treatise on electricity and its uses. 1901. q537 Sh47

Swoope, C. W. Lessons in practical electricity; principles, experiments, and arithmetical problems. 1903. 537 Sw73

Thompson, S. P. Elementary lessons in electricity and magnetism. Rev. and enl. to date, including all of the recent discoveries in x-rays, wireless telegraphy, etc., by O. H. L. Schwetsky. 1906. 537 T37

Tyndall, John. Lessons in electricity at the Royal institution, 1875-6. 1903. 537 T97

PERIODICALS. PUBLICATIONS OF SOCIETIES

American institute of electrical engineers. Transactions. v. 26-date. 1907-date. *621.3 Am35t

The electrical engineer . . . with which is incorporated "Electric light." v. 37-38. 1905. *f621.3 El24

The electrical review [London] v. 1-35; v. 62-date. 1872-1894; Jan. 1908-date. *f621.3 El245

Vols. 1-30 have title: Telegraphic journal and electrical review.

The electrical world. v. 48-date. July 1906-date. *f621.3 EL248

Journal of electricity, power and gas. v. 18-date. Jan. 1907-date. f621.3 J82

Metallurgical and chemical engineering; a consolidation of Electrochemical and metallurgical industry and Iron and steel magazine. v. 5-date. 1907-date. *f541.1 EL25

Science abstracts. Issued by the Institution of electrical engineers. Section B: Electrical engineering. v. 10-date. 1907-date. *505 Sci27e

DYNAMICS. STATICS. THEORY

Atkinson. Philip. Elements of dynamic electricity and magnetism. 1903. 537.5 At56

Flammarion, Camille. Thunder and lightning. 1905. 537.4 F61

Hertz, H. R. Electric waves; being researches on the propagation of electric action with finite velocity through space. 1900. 537.1 H44

Kelvin, William Thomson, *1st baron.* Reprint of papers on electrostatics and magnetism, by Sir William Thomson. 1884. 537.2 K29

Lodge, *Sir* **O. J.** Electrons; or, The nature and properties of negative electricity. 1906. 537.1 L82e

—Modern views of electricity. 1907. 537.1 L82

Lorentz, H. A. The theory of electrons and its applications to the phenomena of light and radiant heat. 1909. 537.1 L88

Ohm, G. S. The galvanic circuit investigated mathematically. 1905. 537.5 Oh4

Sloane, T. O'C. Electricity simplified. 1905. 537.1 SL52

Steinmetz, C. P. Theoretical elements of electrical engineering. 1905. 537.1 St36

Thomson, J. J. Conduction of electricity through gases. 1906. 537.52 T38
—Electricity and matter. 1906. 537.1 T38

Trowbridge, John. What is electricity? 1903. 537.1 T75

MAGNETISM

Houston, E. J. Magnetism, by E. J. Houston and A. E. Kennelly. 1906. 538 H81
—The wonder book of magnetism. [1908.] 538 H81w

— — *Same* j538 H81

Lewis, E. P., *ed.* The effects of a magnetic field on radiation; memoirs by Faraday, Kerr and Zeemans. c. 1900. 535 L58

Mansfield, A. N. Electromagnets; their design and construction. 1901. 538.3 M31

Tyndall, John. Researches on diamagnetism and magne-crystallic action, including the question of diamagnetic polarity. 1888. 538.4 T97

U. S. *Coast and geodetic survey.* United States magnetic tables and magnetic charts for 1905. By L. A. Bauer. 1908. *q538.7 Un3

RADIOACTIVITY

Barker, G. F., *ed.* Röntgen rays; memoirs by Röntgen, Stokes and J. J. Thomson, tr. and ed. by G. F. Barker. 1899. 537.53 B24

Hammer, W. J. Radium, and other radio-active substances; polonium, actinium, and thorium. 1904. 537.54 H18

Joly, John. Radioactivity and geology, an account of the influence of radioactive energy on terrestrial history. 1909. 537.54 J68

Jones, H. C. The electrical nature of matter and radioactivity. 1906. 537.54. J69

Makower, Walter. The radioactive substances, their properties and behaviour. 1908. 537.54 M28

Meadowcroft, W. H. The A B C of the X rays. c. 1896. 537.53 M46

Raffety, C. W. An introduction to the science of radio-activity. 1909. 537.54 R12

Rutherford, Ernest. Radio-activity. 1905. 537.54 R93

Soddy, Frederick. The interpretation of radium. 1909. 537.54 So15

MEASUREMENT. TESTING

Ayrton, W. E. Practical electricity; a laboratory and lecture course . . . based on the international definitions of the electrical units. 1903. 537.7 Ay78

Carhart, H. S. Electrical measurements. A laboratory manual, by H. S. Carhart and G. W. Patterson. 1895. 537.7 C19

Crapper, E. H. Practical electrical measurements, an introductory manual. 1897. 537.7 C85

Fleming, J. A. A handbook for the electrical laboratory and testing room. 2v. [1901.] 537.7 F62

Kempe, H. R. A handbook of electrical testing. 1900. 537.7 K32

Reed, L. C. American meter practice. 1903. 537.7 R25

Schneider, N. H. Electrical instruments and testing; how to use the voltmeter, ammeter, galvanometer, etc. 1905. 537.7 Sch58

Sloane, T. O'C. Arithmetic of electricitv; a practical treatise on electrical calculations of all kinds. 1906. 537.9 SL52a

Swenson, B. V. Testing of electro-magnetic machinery and other apparatus, by B. V. Swenson and Budd Frankenfield. 1905. 537.7 Sw42

Swinburne, James. The measurement of electric currents, by James Swinburne and C. H. Wordingham. 1893. v. 1. Direct currents. 537.7 Sw63

INDUCTION COILS

Allsop, F. C. Induction coils and coil-making; a treatise on the construction and working of shock, medical and spark coils. 1899. 537.51 AL58

Armagnat, H. The theory, design and construction of induction coils. 1908. 537.51 Ar54

Collins, A. F. The design and construction of induction coils. 1909. 537.51 C69

Pike, John. Practical induction coil construction: a handbook of construction details and workshop methods used in building and repairing modern spark coils. 1908. 537.51 P63

Schneider, N. H. Induction coils; how to make, use, and repair them, by H. S. Norrie. 1907. 537.51 Sch58

Wright, Lewis. The induction coil in practical work, including Röntgen X rays. 1897. 537.51 W93

ELECTRIC ENGINEERING

Foster, H. A. Electrical engineer's pocket-book; a hand-book of useful data for electricians and electrical engineers. 1908. *621.3 F81

Franklin, W. S. The elements of electrical engineering . . . By W. S. Franklin and William Esty. 2 v. 1906-8. 621.3 F85

Hobart, H. M. Heavy electrical engineering. 1908. 621.3 H65

Houston, E. J. Electrical engineering leaflets, by E. J. Houston and A. E. Kennelly. 3 v. 1898-1902. 621.3. H81

Contents.—v. 1. Elementary grade. v. 2. Intermediate grade. v. 3. Advanced grade.

International electrical congress, *St. Louis,* 1904. Transactions. 3 v. 1905. 621.3 In8

Lupton, Arnold. Electricity as applied to mining. By Arnold Lupton, G. D. A. Parr and Herbert Perkin. 1906. 621.3 L97

National conference of electricians, *Philadelphia,* 1884. Report of the electrical conference at Philadelphia, in September, 1884. 1886. 621.3 N21

Norris, H. H. An introduction to the study of electrical engineering. 1908. 621.3 N79

Parr, G. D. A. Electrical engineering in theory and practice. 1906. 621.3 P24

Rosenberg, E. Electrical engineering; an elementary text-book. 1907. 621.3 R72

Slingo, W. Electrical engineering for electric light artizans and students. By W. Slingo and A. Brooker. 1900. 621.3 SL36

Sloane, T. O'C. Electricians' handy book. 1908. 621.3 SL52

—Elementary electrical calculations; a manual of simple engineering mathematics, covering the whole field of direct current calculations, the basis of alternating current mathematics, networks and typical cases of circuits. 1909. 621.3 SL52e

—How to become a successful electrician. 1903. 621.3 SL52h

— — *Same* j621.3 SL52h

Standard handbook for electrical engineers written and compiled by a staff of specialists. 1908. *621.3 St24

Steinmetz, C. P. General lectures on electrical engineering. c. 1908. 621.3 St34

—Theoretical elements of electrical engineering. 1905. 621.3 St34t

Wyssling, W. Die tarife Schweizerischer elektrizitätswerke für den verkauf elektrischer energie. 1904. 621.3 W99

DYNAMOS. MOTORS

Bottone, S. R. Modern dynamos and batteries for amateurs and students, with full constructional details and working drawings. 1906. 621.31 B65m

Bowker, W. R. Dynamo, motor and switchboard circuits for electrical engineers. 1904.
621.31 B67

Bubier, E. T. Dynamos and electric motors, by Edward Trevert. 1904. j621.31 B85

Crocker, F. B. Dynamo-electric machinery; an authoritative treatise on the theory . . . and design of dynamo-electric machinery. 1908.
621.31 C87

—The management of electrical machinery. A thoroughly revised and enlarged edition of the practical management of dynamos and motors, by F. B. Crocker and S. S. Wheeler. 1908. 621.31 C87m

Franklin, W. S. Dynamos and motors . . . by W. S. Franklin and William Esty. 1909.
621.31 F85

Hawkins, C. C. The dynamo; its theory, design and manufacture, by C. C. Hawkins and F. Wallis. 1903. 621.31 H31

Hobart, H. M. High speed dynamo electric machinery, by H. M. Hobart and A. G. Ellis. 1908. 621.31 H65h

Houston, E. J. The electric motor and the transmission of power, by E. J. Houston and A. E. Kennelly. 1906. 621.31 H81

Meade, N. G. Electric motors; their installation, control, operation and maintenance. 1908. 621.31 M46

Poole, C. P. Designs for small dynamos and motors. 1906. 621.31 P78

Raymond, E. B. Motor troubles . . . and the testing of direct-current and alternating-current machinery. 1908. 621.31 R21

Ryan, H. J. A text-book of electrical machinery. v. 1. By H. J. Ryan, H. H. Norris, G. L. Hoxie. 1906. 621.31 R95

Sheldon, Samuel. Dynamo electric machinery, by Samuel Sheldon and Hobart Mason. 2 v. 1901-2. 621.31 Sh43

Swenson, B. V. Testing of electro-magnetic machinery and other apparatus, by B. V. Swenson and Budd Frankenfield. v. 1. Direct currents. 1905. 621.31 Sw42

Thompson, S. P. Dynamo-electric machinery; a manual for students of electrotechnics. 2 v. 1904-5. 621.31 T37

Contents.—v. 1. Continuous current machines. v. 2. Alternating current machinery.

DIRECT CURRENTS. ALTERNATING CURRENTS. ARMATURES. TRANSFORMERS

Arnold, E. Armature windings of direct current dynamos. 1902. 621.312 Ar64

Baum, F. G. The alternating current transformer. 1903. 621.314 B32

Behrend, B. A. The induction motor. A short treatise on its theory and design. [1901.] 621.313 B39

Boy de la Tour, Henri. The induction motor; its theory and design. 1906. 621.313 B69

Franklin, W. S. The elements of alternating currents, by W. S. Franklin and R. B. Williamson. 1906. 621.313 F85

Hanchett, G. T. Alternating currents: their generation, distribution and utilization. 1905. 621.313 H19

Hanchett, G. T. Modern electric railway motors; a discussion of current practice in electric railway motor construction, maintenance, and repair. [1900.] 621.312 H19

Hay, Alfred. Alternating currents; their theory, generation, and transformation. 1906. 621.313 H32

—An introductory course of continuous current engineering. 1907. 621.312 H32

Hobart, H. M. Armature construction, by H. M. Hobart and A. G. Ellis. 1907. 621.312 H65

Horstmann, H. C. Practical armature and magnet winding. By H. C. Horstmann and V. H. Tousley. c. 1909. 621.31 H78

Houston, E. J. Alternating electric currents, by E. J. Houston and A. E. Kennelly. 1906. 621.313 H81

—Electro-dynamic machinery for continuous currents, by E. J. Houston and A. E. Kennelly. 1896. 621.312 H81

Jackson, D. C. Alternating currents and alternating current machinery . . . by D. C. Jackson and J. P. Jackson. 1905. 621.31 J13 [2]

Lamb, G. G. Alternating currents. [1906.] 621.313 L16

Oudin, M. A. Standard polyphase apparatus and systems. 1907. 621.313 Ou2

Raymond, E. B. Alternating current engineering practically treated. 1904. 621.313 R21

Steinmetz, C. P. Theory and calculation of alternating current phenomena. 1900. 621.313 St36

Taylor, W. T. Stationary transformers; theory, connections, operation and testing of constant-potential, constant-current, series and auto transformers, potential regulators, etc. 1909. 621.314 T21

Walker, Frederick. Practical dynamo-building for amateurs. How to wind for any output. 1901. 621.312 W15

Wiener, A. E. Practical calculation of dynamo-electric machines . . . Continuous current machinery. c. 1901. 621.312 W63

POWER PLANTS. POWER TRANSMISSION

Abbott, A. V. Electrical transmission of energy. A manual for the design of electrical circuits. 1904. 621.34 Ab26e

Adams, A. D. Electric transmission of water power. 1906. 621.34 Ad13

Beardsley, R. C. Design and construction of hydroelectric plants. 1907. 621.34 B38

Bell, Louis. Electric power transmission. 1906. 621.34 B41

Berg, E. J. Electrical energy, its generation, transmission, and utilization. 1908. 621.34 B45

Carter, E. T. Motive power and gearing for electrical machinery; a treatise on the theory and practice of the mechanical equipment of power stations. [1905.] 621.101 C24

Davies, F. H. Electric power and traction. 1907. 621.34 D28

Del Mar, W. A. Electric power conductors. 1909. 621.34 D38

Gay, Albert. An introduction to the study of central station electricity supply. By Albert Gay and C. H. Yeaman. 1906. 621.316 G25

High-tension power transmission. 2 v. 1905-6. 621.34 H53

Hutchinson, R. W., *jr.* Long-distance electric power transmission. 1908. 621.34 H97

Koester, Frank. Hydroelectric developments and engineering; a practical and theoretical treatise on . . . hydroelectric transmission plants. 1909. q621.34 K81

—Steam-electric power plants. 1908. q621.316 K81

Lyndon, Lamar. Development and electrical distribution of waterpower. 1908. 621.34 L99

Perrine, F. A. C. Conductors for electrical distribution. 1903. 621.34 P42

Russell, Alexander. The theory of electric cables and networks. 1908. 621.34 R91

Schneider, N. H. The practical engineer's handbook. The care and management of electric power plants. 1906. 621.316 Sch58

Schon, H. A. E. C. von. Hydro-electric practice, a practical manual of the development of water power. 1908. q621.34 Sch65

Steinmetz, C. P. Theory and calculation of transient electric phenomena and oscillations. 1909. 621.34 St36

Turner, H. W. The insulation of electric machines, by H. W. Turner and H. M. Hobart. 1905. 621.34 T85

Walker, S. F. Electricity in mining. 1907. 621.34 W15

WIRING

Harrison, Newton. Electric wiring, diagrams and switchboards. 1906. 621.349 H24

Horstmann, H. C. Electrical wiring and construction. tables, by H. C. Horstmann and V. H. Tousley. 1907. 621.349 H78

—Modern electrical construction; a reliable, practical guide for the beginner in electrical construction, by H. C. Horstmann and V. H. Tousley. 1905. 621.349 H78m

—Modern wiring diagrams and descriptions . . . by H. C. Horstmann and V. H. Tousley. c. 1906. 621.349 H78mo

Ibbetson, W. S. The theory and practice of electric wiring. An elementary book dealing with the principles of wiring. 1909. 621.349 Ib2

Knox, C. E. Electric wiring and lighting. Pt. 1. Electric wiring, by C. E. Knox. Pt. 2. Electric lighting, by G. C. Shaad. 1909. (American school of correspondence) 621.349 K77

Leaf, H. M. Internal wiring of buildings . . . with a chapter on electricity meters. 1903. 621.349 L47

Poole, C. P. Electric wiring. 1900. 621.349 P78e

BATTERIES

Bottone, S. R. Galvanic batteries; their theory, construction and use. [1902.] 621.35 B65

Cooper, W. R. Primary batteries: their theory, construction and use. [1901.] 621.35 C78

Lyndon, Lamar. Storage battery engineering. 1903. 621.35 L99

Treadwell, Augustus. The storage battery. 1906. 621.35 T71

BELLS. ANNUNCIATORS

Allsop, F. C. Practical electric bell fitting. 1898. 654.7 AL58p

Bottone, S. R. Electric bells and all about them. n. d. 654.7 B65

Wittbecker, W. A. Domestic electrical work. Concise and practical explanations . . . on how to wire buildings for bells, alarms, annunciators, and for gas lighting from batteries. 1906. 654.7 W78

— — *Same.* j654.7 W78

TELEPHONE

Abbott, A. V. Telephony. A manual of the design, construction, and operation of telephone exchanges. 6v. 1903-5. 654.6 Ab26

Allsop, F. C. Telephones; their construction and fitting. 1905. 654.6 AL58

Cary, G. H. How to make and use the telephone. A practical treatise for amateurs, with working drawings. 1902. 654.6 C25

Cummings, G. W. Electricity and magnetism in telephone maintenance. 1908. 654.6 C91

Fairman, J. F. Standard telephone wiring for common battery and magneto systems; a hand-book for telephone men, containing diagrams of circuits for straight lines, party lines, etc., with a brief description of the apparatus used and rules of the fire underwriters. 1905. 654.6 F16

Houston, E. J. The electric telephone, by E. J. Houston and A. E. Kennelly. 1906. 654.6 H81

Miller, K. B. American telephone practice. 1905. 654.6 M61

Poole, Joseph. The practical telephone handbook and guide to the telephonic exchange. 1906. 654.6 P78

Ruhmer, E. W. Wireless telephony, in theory and practice. 1908. 654.6 R85

TELEGRAPH

Field, H. M. History of the Atlantic telegraph. 1866. 654.5 F45

Houston, E. J. Electric telegraphy, by E. J. Houston and A. E. Kennelly. 1906. 654 H81e

Maver, William, *jr.* American telegraphy and encyclopedia of the telegraph: systems, apparatus, operation. 1903. 654 M44

Pope, F. L. Modern practice of the electric telegraph; a technical handbook. 1902. 654 P81

Preece, *Sir* **W. H.** Telegraphy, by W. H. Preece and J. Sivewright. 1905. 654 P91

U. S. *Signal office.* Regulations for United States military telegraph lines, U. S. signal corps. Prepared under the direction of Brigadier-General James Allen, chief signal officer of the army. 1909. *654 Un3r

WIRELESS TELEGRAPH

Bottone, S. B. Wireless telegraphy and Hertzian waves. 1905. 654.1 B65

Collins, A. F. Manual of wireless telegraphy and telephony. 1909. 654.1 C69m

Collins, A. F. Wireless telegraphy; its history, theory and practice. 1905. 654.1 C69

Eichhorn, Gustav. Wireless telegraphy. 1906. 654.1 Ei24

Fahié, J. J. A history of wireless telegraphy 1838-1899; including some bare-wire proposals for subaqueous telegraphs. 1899. 654.1 F14

Fleming, J. A. An elementary manual of radio-telegraphy and radiotelephony. 1908. 654.1 F62

Graham, R. P. Howgrave—. Wireless telegraphy for amateurs, a handbook on the principles of radiotelegraphy and the construction and working of apparatus for short distance transmission. 1907. 654.1 G76

Kennelly, A. E. Wireless telegraphy; an elementary treatise. 1906. 654.1 K39

—Wireless telegraphy and wireless telephony; an elementary treatise. 1909. 654.1 K39w

Kerr, Richard. Wireless telegraphy popularly explained. 1903. 654.1 K46

Laughter, V. H. Operator's wireless telegraph and telephone hand-book; a complete treatise . . . including the rules of naval stations, codes, abbreviations, etc. c. 1909. 654.1 L36

Lodge, *Sir* **O. J.** Signalling across space without wires. Being a description of the work of Hertz and his successors. [1900.] 654.1 L82

Massie, W. W. Wireless telegraphy and telephony popularly explained, by W. W. Massie and C. R. Underhill; with special article by Nikola Tesla. 1908. 654.1 M38

Monckton, C. C. F. Radio-telegraphy. 1908. 654.1 M74

St. John, T. M. Wireless telegraphy for amateurs and students . . . with complete directions for performing numerous experiments with simple home-made apparatus. c. 1906. 654.1 Sa23

Twining, H. LaV. Wireless telegraphy and high frequency electricity; a manual containing detailed information for the construction of transformers, wireless telegraph and high frequency apparatus. c. 1909. 654.1 T92

U. S. *Bureau of equipment* (*Navy dept.*) Manual of wireless telegraphy for the use of naval electricians. By S. S. Robison. 1906. *654.1 Un3

LIGHTING. HEATING

Atkinson, Philip. The elements of electric lighting, including electric generation, measurement, storage and distribution. 1901. 621.32 At56e

Barrows, W. E. Electrical illuminating engineering. 1908. 621.32 B27

Bell, Louis. The art of illumination. 1902. 628.9 B41

Borchers, Wilhelm. Electric furnaces. 1908. 621.365 B64

Cravath, J. R. Practical illumination. By J. R. Cravath and Van Rensselaer Lansingh. 1907. 628.9 C85

Crocker, F. B. Electric lighting; a practical exposition of the art. 2 v. 1906. 621.32 C87

Houston, E. J. Electric arc lighting. By E. J. Houston and A. E. Kennelly. 1906. 621.32 H81e

Houston, E. J. Electric incandescent lighting. By E. J. Houston and A. E. Kennelly. 1906. j621.32 H81

— — *Same.* 621.32 H81

Marks, W. D. The finances of gas and electric light and power enterprises. [1907.] 621.32 M34

Schneider, N. H. Electric gas lighting; how to install electric gas igniting apparatus . . . by H. S. Norrie. 1906. 621.32 Sch58

Urquhart, J. W. Electric light fitting . . . embodying practical notes on installation management. 1904. 621.32 Ur6

RAILWAYS. BLOCK SYSTEM

Adams, B. B. The block system of signaling on American railroads. 1901. 656.56 Ad17

Bell, Louis. Power distribution for electric railroads. [1900.] 621.33 B41

Cravath, J. R. Electric railways; a treatise on the modern development of electric traction. Electric railways. By J. R. Cravath . . . The single-phase electric railway, by H. C. Trow. 1908. (American school of correspondence) 621.33 C85

Herrick, A. B. Practical electric railway hand book. 1906. 621.33 H43

Houston, E. J. Electric street railways, by E. J. Houston and A. E. Kennelly. 1906. 621.33 H81

Modern electric railway practice. 4 v. c. 1909. *621.33 M72

Pagnini, Pietro. La trazione elettrica. Allo stato attuale dell' elettrotecnica. 1905.
621.33 P14

Parshall, H. F. Electric railway engineering. By H. F. Parshall and H. M. Hobart. 1908.
q621.33 P25

Scott, Ralph. Automatic block signals and signal circuits; American practice in the installation and maintenance of signals electrically controlled, and operated by electric or other power. 1908. 656.56 Sc85

Smith, R. H. Electric traction. 1905.
621.33 Sm64

Swingle, C. F. Electric railway power stations. c. 1909. 621.33 Sw64

U. S. *Block signal and train control board.* Annual report of the Block signal and train control board to the Interstate commerce commission. 1908-1909. *656.56 Un3

Wilson, Ernest. Electrical traction, by Ernest Wilson and Francis Lydall. 2 v. 1907.
621.33 W69

ELECTROCHEMISTRY

Arrhenius, S. A. Text-book of electrochemistry. 1902. 541.1 Ar69

Blount, Bertram. Practical electro-chemistry. 1906. 541.1 B62

Goodwin, H. M., *ed.* The fundamental laws of electrolytic conduction; memoirs by Faraday, Hittorf, and F. Kohlrausch. 1899. 541.1 G63

Lupke, Robert. The elements of electro-chemistry treated experimentally. 1903. 541.1 L97

Wright, J. Electric furnaces and their industrial applications. 1906. 541.1 W93

ELECTRO-METALLURGY. ELECTROPLATING. ELECTROTYPING

Bedell, W. L. D. Practical electro-plating; a guide for the electroplater, giving complete instructions for the arrangement of the shop, the installation of the plant, polishing, plating, buffing, and lacquering. 1909. 537.85 B39

Borchers, Wilhelm. Electric smelting and refining. 1904. 537.85 B64

Groth, L. A. Welding and cutting metals by aid of gases and electricity. 1909. 665.8 G91

Gunther, C. G. Electro-magnetic ore separation. 1909. 622.77 G95

Hawkins, H. J. The polishing and plating of metals . . . giving modern methods of polishing, plating, buffing, oxydizing and lacquering metals. 1904. 537.85 H31

Kershaw, J. B. C. Electro-metallurgy. 1908. 537.85 K47

Langbein, Georg. A complete treatise on the electro-deposition of metals; comprising electro-plating and galvanoplastic operations . . . with additions by W. T. Brannt. 1905. 537.85 L25

Napier, James. A manual of electro-metallurgy; including the applications of the art to manufacturing processes. 1860. 537.85 N16

Partridge, C. S. Electrotyping. 1908. 655.22 P25

ELECTRO-THERAPEUTICS

Adam, George. Electricity, the chemistry of ether; a treatise generalizing a fundamental hypothesis as applied to electricity, chemistry, physics, physiology, and pathology. 1904. 615.84 Ad13

Duchenne, G. B. A treatise on localized electrization, and its applications to pathology and therapeutics. 1871. 615.84 D85

Jellinek, Samuel. Medizinische anwendungen der elektrizität. 1906. 615.84 J39

Rockwell, A. D. Lectures on electricity in its relations to medicine and surgery. 1879. 615.84 R59

EXPERIMENTS AND AMATEUR APPARATUS

Adams, J. H. Harper's electricity book for boys. 1907. j537.81 Ad18

Barnard, Charles. First steps in electricity. Designed for the entertainment and instruction of young people. 1888. j537 B25

Bonney, G. E. Electrical experiments; a manual of instructive amusement. 1904. 537.81 B64

Bottone, S. R. Electrical instrument making for amateurs. n. d. j537.81 B65j

Bubier, E. T. Electricity for students, by Edward Trevert. 1899. 537 B85

—Experimental electricity, by Edward Trevert. 1903. 537.81 B85e

The Carlisle & Finch co., *Cincinnati, O.* Miniature electric railway construction. 1906. 537.81 C19

Jenks, Tudor. Electricity for young people. c. 1907. j621.3 J42

Clarke, W. J. A. B. C. of electrical experiments. [1902.] 537.81 C55

Meadowcroft, W. H. The A B C of electricity. c. 1888. j537 M46

St. John, T. M. How two boys made their own electrical apparatus. 1898. j537.81 Sa23h

—Real electric toy-making for boys. c. 1905. j537.81 Sa23

—The study of elementary electricity and magnetism by experiment. c. 1900. 537.81 Sa23

—Things a boy should know about electricity. 1900. j537 S2t

Sloane, T. O'C. Electric toy making for amateurs including batteries, magnets, motors, bells, miscellaneous toys, etc. 1906. 537.81 SL52

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